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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/615,381	07/09/2003	Takeshi Nishiuchi	000593B	1378
23850 7590 01/08/2007 ARMSTRONG, KRATZ, QUINTOS, HANSON & BROOKS, LLP 1725 K STREET, NW SUITE 1000 WASHINGTON, DC 20006			EXAMINER	
			BUEKER, RICHARD R	
			ART UNIT	PAPER NUMBER
			1763	
SHORTENED STATUTORY	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MON	NTHS	01/08/2007	PAPER	

## Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

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		Application No.	Applicant(s)	
		10/615,381	NISHIUCHI ET AL.	
	Office Action Summary	Examiner	Art Unit	
		Richard Bueker	1763	
Period fo	The MAILING DATE of this communication apports or Reply	pears on the cover sheet with the c	orrespondence address	
WHIC - Exte after - If NC - Failu Any	HORTENED STATUTORY PERIOD FOR REPL' CHEVER IS LONGER, FROM THE MAILING Downsons of time may be available under the provisions of 37 CFR 1.1 TO SIX (6) MONTHS from the mailing date of this communication. TO period for reply is specified above, the maximum statutory period of the properties of the pro	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tir will apply and will expire SIX (6) MONTHS from a, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. ED (35 U.S.C. § 133).	
Status				
1)⊠ 2a)⊠ 3)⊟	<u></u>	action is non-final.  nce except for formal matters, pro		
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4)⊠ 5)□ 6)⊠ 7)□ 8)□ Applicat 9)□	Claim(s) 14,15 and 21 is/are pending in the ap 4a) Of the above claim(s) is/are withdray Claim(s) is/are allowed. Claim(s) 14, 15 and 21 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/o clion Papers  The drawing(s) filed an is/are, a) are	wn from consideration. or election requirement. er.		
	The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Ex	drawing(s) be held in abeyance. Setion is required if the drawing(s) is ob	e 37 CFR 1.85(a). ejected to. See 37 CFR 1.121(d).	
Priority i	under 35 U.S.C. § 119			
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No.</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>				
2)  Notic 3)  Infon	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) er No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Di 5) Notice of Informal F 6) Other:	ate	

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In claim 21, line 12, the spelling of "substantailly" should be changed to correct a typographical error.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 14, 15 and 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tochishita I (6,280,792) or Tochishita II (EP 992605), either taken in view of Satoh (JP 60-92466).

Tochishita I (see Fig. 8) and Tochishita II (see Fig. 8) each discloses a surface treating apparatus comprising a treating chamber connected to an evacuating system, wherein a heater for melting and evaporating a wire is disposed in the treating chamber. The wire can be aluminum wire (col. 4, lines 61-65). A rotatable cage shaped work retaining member is disposed in the treating chamber. A supply of the wire, wound around a feed reel, is included in the apparatus, and the feed reel is mounted so as to rotate about a substantially vertical rotational axis. As shown in Fig. 8 of Tochishita I and II, a thermal resistant protective tube 47 is disposed between the feed reel and the heater for melting and evaporating. The feed path of the wire includes a horizontally disposed lower portion, a vertically disposed intermediate portion, and a horizontally disposed upper portion as claimed in claim 21. Tochishita I and Tochishita II do not discuss the gas content of their wire. Satoh (see the English translation) teaches that an aluminum wire that is conventionally used as a source material for vacuum

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evaporation coating typically or inherently contains hydrogen. Satoh teaches that it is desirable to reduce the amount of hydrogen in the aluminum wire prior to the vapor deposition process, because this will improve the quality of the deposited aluminum coating. It is noted also, however, that Satoh also makes clear that an aluminum coating can successfully be deposited by using an aluminum wire of unreduced hydrogen content, although the resultant coating is of lesser quality. It would have been obvious to use the type of hydrogen containing aluminum wire described by Satoh as the aluminum wire in the Tochishita I or Tochishita II apparatus, with either a reduced hydrogen content as preferred by Satoh, or with an unreduced hydrogen content as not preferred by Satoh, because Satoh makes clear that it was known in the prior art that an aluminum coating could successfully be deposited on a work-piece by using an aluminum wire that contains hydrogen. Regarding the use of a non-preferred embodiment, see *In re Boe*, 148 USPQ 507.

Applicant cannot rely upon the foreign priority papers to overcome this rejection because a translation of said papers has not been made of record in accordance with 37 CFR 1.55. See MPEP § 201.15.

The English language documents filed by applicants on October 24, 2006 were not filed together with a statement that the translation of the certified copy is accurate as required by 37 CFR 1.55.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Richard Bueker whose telephone number is (571) 272-1431. The examiner can normally be reached on 9 AM - 5:30 PM, Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Parviz Hassanzadeh can be reached on (571) 272-1435. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Richard Bueker Primary Examiner Art Unit 1763